

इंटरनेट

मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

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“Step Out From the Old to the New”

IS 5829 (1982): Sound, Uterine [MHD 3: Obstetric and Gynaecological Instruments and Appliances]



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“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

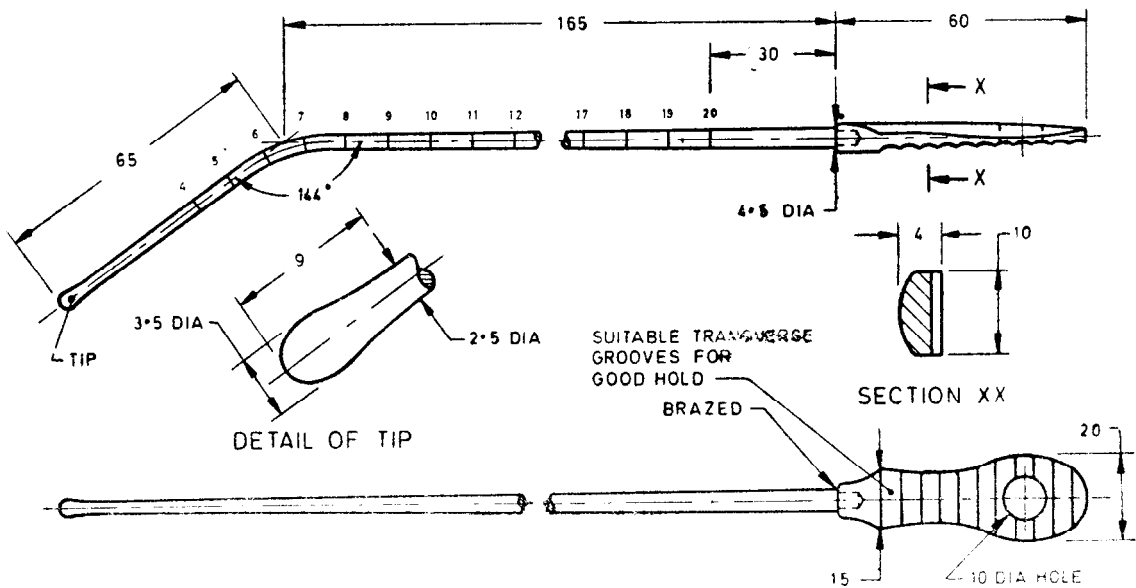
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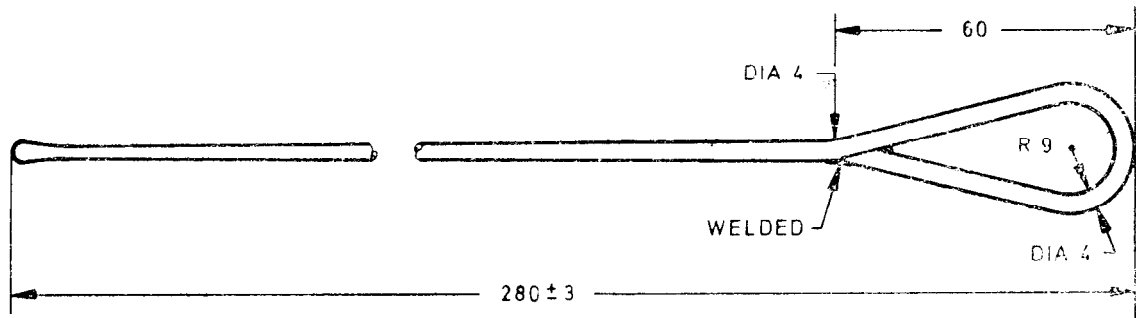


Indian Standard
SPECIFICATION FOR
SOUND, UTERINE
(First Revision)

- 1. Scope — Dimensional and other requirements for uterine sound.
- 2. Shape and Dimensions — As shown in Fig. 1 and 2.



All dimensions in millimetres.
FIG. 1 SOUND, UTERINE



All dimensions in millimetres.
FIG. 2 SOUND, UTERINE

Adopted 25 February 1982

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Price Rs 5.00

2.1 A deviation of ± 2.5 percent shall be allowed on all dimensions.

3. Material — Stainless steel conforming to designation 20Cr 13 or 30Cr 13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

4. Workmanship and Finish

4.1 All the surfaces shall be free from burrs, pits, cracks and other defects.

4.2 The tip and the shaft shall be smoothly rounded and shall not be stiff.

4.3 The graduations on the shaft shall be permanently marked at intervals of one centimetre as shown in the figure. These shall not be sharp.

4.4 The instruments shall be polished bright and treated by a suitable passivation process, in 10 percent (v/v) nitric acid solution for not less than 30 min at a temperature of not less than 10°C and not exceeding 60°C. The instruments shall then be rinsed in water and dried in hot air.

4.5 The sound shall be uniformly hardened and tempered to give a hardness of 380 to 420 HV.

5. Tests (for Solid Handle Type)

5.1 Grip the shaft firmly in a vice close to its joint to the handle with the handle protruding out. Try to rotate the handle by gripping it between the index finger and the thumb of one hand. Handle shall not move or show damage.

5.2 Grip the shaft firmly in a vice close to angle so that rest of the shaft above angle protrudes out and tip faces upwards. Suspend a weight from the tip gradually increasing to 20N (2.0 kgf approximately) and allow it to act for two minutes. Release the load. No permanent set shall be observed.

5.3 Corrosion Resistance Test — Test the sound in accordance with IS : 7531 - 1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'. The cannula shall show no sign of corrosion after the test.

There shall be no red stains or spots on the sound after the test, but dulling of the polished surface may be permitted.

6. Marking — Each sound shall be marked with the manufacturer's name, initials or recognized trade-mark.

6.1 ISI Certification Marking — Details available with the Indian Standards Institution.

7. Packing — The instruments shall be wrapped in moisture-proof paper or packed in polyethylene bags avoiding contact with one another.